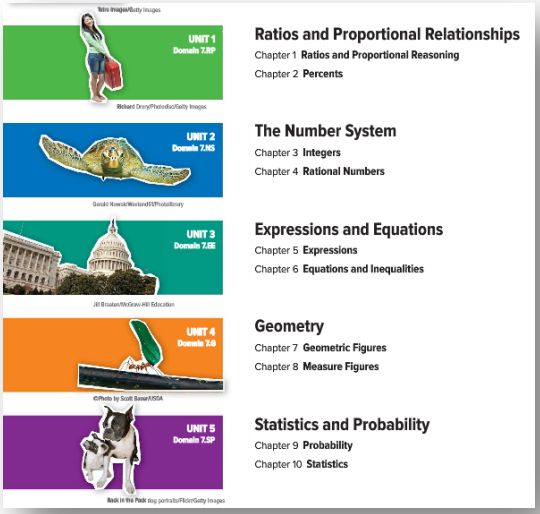
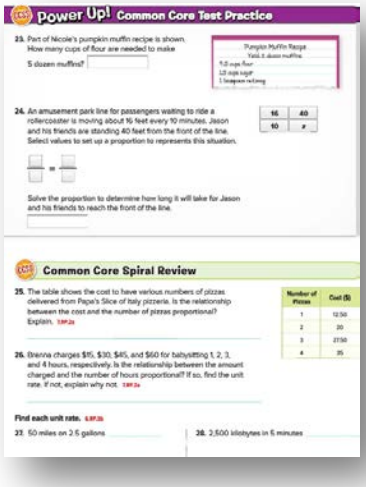
Publisher's Response Overview of Program
Glencoe Math, Courses 1-3 ©2015

The Common Core State Standards for Mathematics (CCSSM) serve as the foundation to *Glencoe Math*. Because the program was created specifically for the Common Core, the unit structure of *Glencoe Math* parallels the domain structure laid out in the CCSSM. A focused curriculum demands a narrow scope of content in each grade; therefore, students spend the majority of their time in *Glencoe Math* on the major work of each grade. The program prioritizes critical concepts for each grade level where students and teachers spend approximately three-quarters of their time on the major work. Throughout the development of *Glencoe Math*, our authors, teachers, and administrators reviewed the manuscript to ensure the program content was accurate and correct, as well as focused, coherent, rigorous, and balanced.

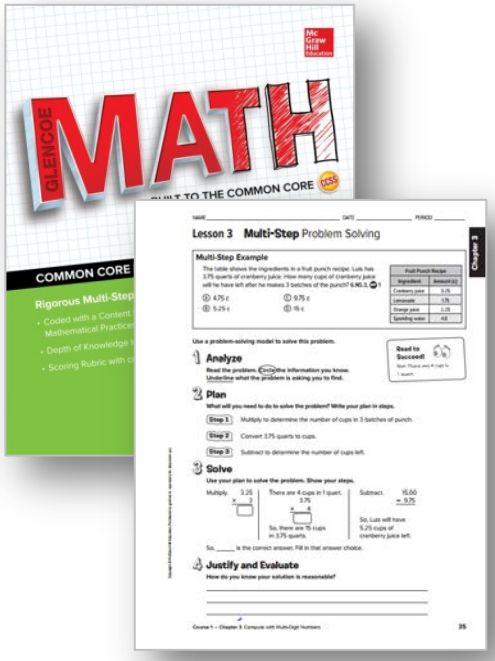


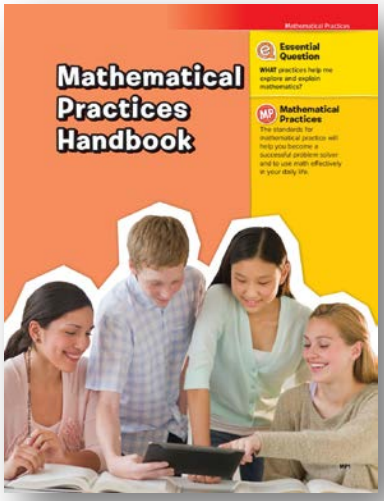
Glencoe Math incorporates rigor throughout the program. All three components of rigor—conceptual understanding, procedural skills and fluency, and application—are addressed in every lesson through the use of the Real-World Links, Independent Practice and Extra Practice homework pages that include Higher-Order Thinking (H.O.T.) Problems, and Power Up Performance items that incorporate all three components of rigor in a multi-level task.



Conceptual understanding is gained through completion of Inquiry Labs where students engage in a deeper understanding of mathematics and apply it in real-world problems. Using tools, such as The Geometer's Sketchpad™, students are able to enrich their mathematical understanding with engaging, visual connections. Once conceptual understanding is achieved, students will apply their understanding during lessons where they will complete procedural skills and application problems, such as Higher-Order Thinking and Power Up Performance Task problems.

Applications are included throughout *Glencoe Math*, including Examples, Independent Practice and Extra Practice exercises, and 21st Century Careers. Additionally, Problem-Solving Investigations are dedicated problem-solving lessons with "Cases" that include financial literacy, student interest, and STEM. Each chapter concludes with a Power Up Performance Task that balances all three components of rigor in one multi-level task. Lastly, each unit begins with a project that combines the standards in the unit into a project where students have the opportunity to collaborate, share, and reflect. The *Common Core Practice Masters* ancillary includes four multi-step, application problems for every lesson in which students are directed to find their own solution path. This ancillary resource also includes an additional performance task for every chapter.





A Mathematical Practice Handbook is located at the beginning of Volume 1 of each *Glencoe Math* Student Edition. This handbook introduces students to the Standards for Mathematical Practice, which describe how students should approach and engage in mathematics. The goal of the practices is to instill in all students the abilities to be mathematically literate and to create a positive disposition for the importance of using mathematics effectively. The mathematical practice standards are embedded throughout each chapter and lesson; especially present in the Inquiry Labs and H.O.T. Problems. In order for students to fully realize the importance of the Standards for Mathematical Practices, *Glencoe Math* developed a thoughtful and strategic approach to the instruction and application of each one. Mathematical reasoning, specializing in language of the mathematics, is found in tools such as Common Core vocabulary and review vocabulary. Additionally, each chapter includes Dinah Zike's Foldables™, which have been proven to be one of the most powerful graphic organizers. Visual Kinesthetic Vocabulary cards not only define vocabulary terms, but also give examples and ask students to engage in the terms, making math come to life.

Developed with research-based pedagogy, each chapter includes diagnostic and review materials, direct instruction lessons, Inquiry Labs, Problem-Solving Investigations, and formative and summative assessment options. The lessons and Problem-Solving Investigations include guided practice followed by Independent Practice and Extra Practice. There are a variety of formative and summative assessment resources developed within the program and there are many support resources including personal tutors, intervention resources, and CCSS review materials.

The Teacher Edition incorporates the 5E Instructional Model to guide teachers through the process of teaching a lesson. Within each step of the lesson, teachers will find suggestions for differentiating instruction, helpful best practice teaching strategies, Alternate Teaching Strategies, scaffolded questions, and Watch Out features focused on common misconceptions and errors by students. They will also find suggested differentiated assignments, levels of complexity for the Independent Practice, and a Ticket Out the Door formative assessment prompt at the end of every lesson. Online, teachers will find professional development videos that focus on teaching lessons in the Common Core style.

Glencoe Math provides numerous assessment resources such as Power Up activities that include end-of-chapter Performance Tasks and the eAssessment system, which includes tech-enhanced questions that mirror the online assessments. Because data drives decision-making, *Glencoe Math* provides teachers with various modes: starting with the diagnostic "Are You Ready?" prompt, with the formative "Got it?" section next, followed by a Mid-Chapter Check, end-of-chapter test, and summative Performance Task—all provided in print and digital formats. *Glencoe Math* also offers *Think Smart for the Smarter Balanced Assessment*, *Power Up for the PARCC Assessment* and *21st Century Assessments* ancillary resources that are essential in helping students prepare for all types of questions that will be asked on online assessments.

Glencoe Math is a comprehensive solution that has been proven to work in the classroom. Success stories and information about the research base can be found here.